Appendix B

Mathematics course sequences and impact on ACT scores

ACT has defined College Readiness benchmarks at which a student would have at least a 50% chance of scoring a "B" or better and at least a 75-80% chance of earning a "C' or better in first-year, credit bearing college courses. Additional research by ACT shows that students who take a course sequence of Algebra I, Geometry, and Algebra II along with another advanced mathematics course such as a Trigonometry or Calculus have a 58% chance of meeting the Readiness Benchmark for College Algebra which is defined as a Mathematics Composite score of 22.
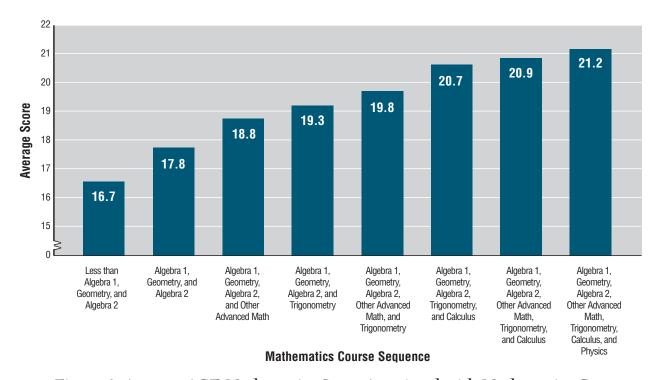

Figure 1: Average ACT Mathematics Score Associated with Mathematics Courses

* chart excerpted from Crisis at the Core: Preparing All Students for College and Work, ACT, Inc.